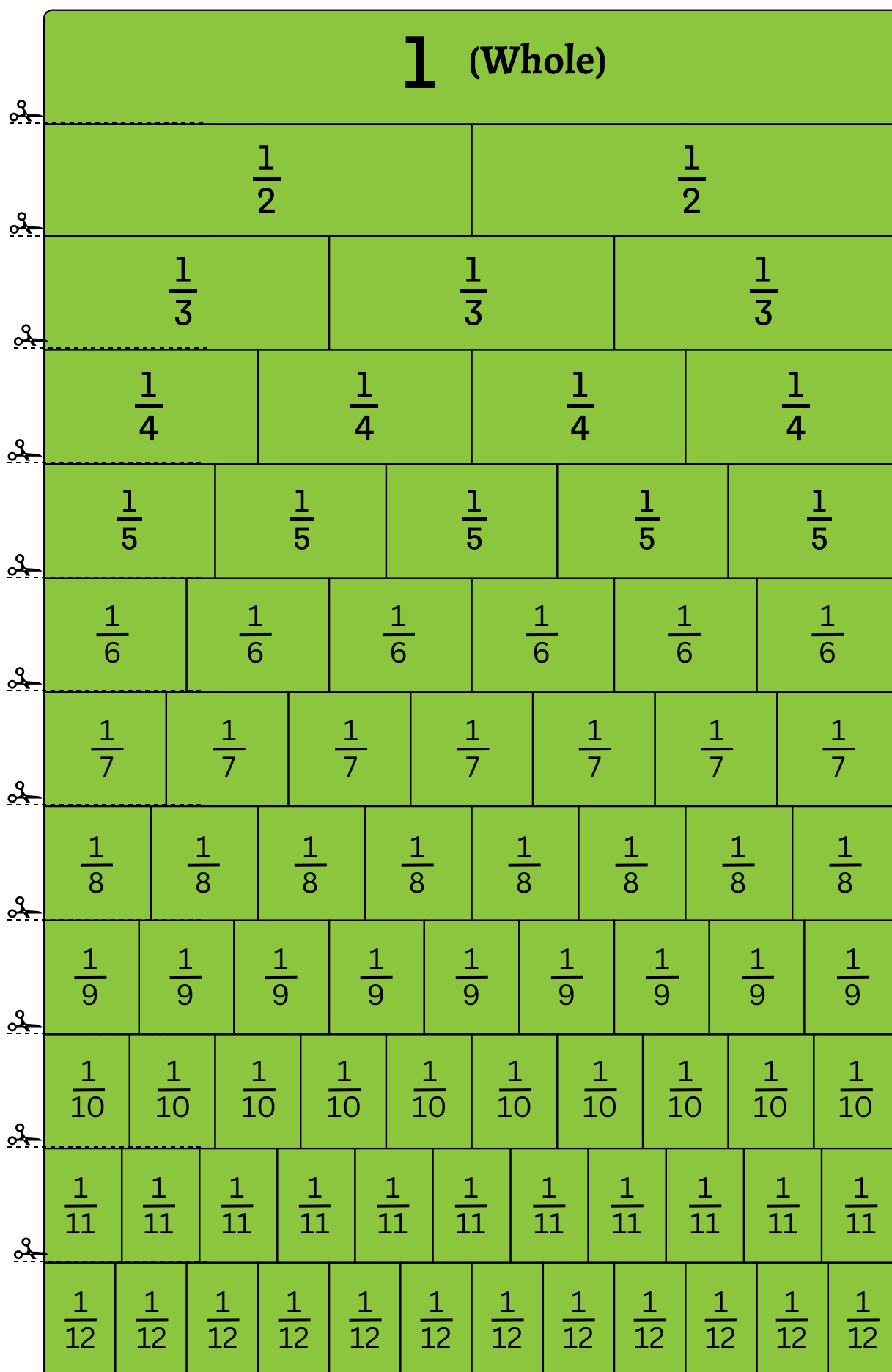


FRACTION STRIP

Cut each strip horizontally.



Worksheet 1

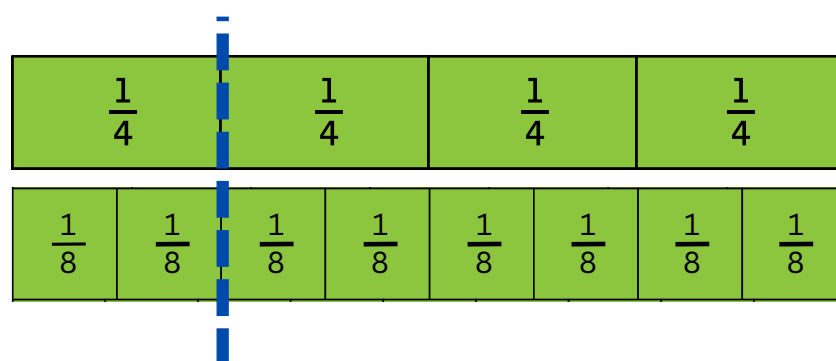
Use the fraction strip to work out the equations
(Below one example is being solved for you)

Example: $\frac{1}{4} = \frac{\quad}{8}$

To solve this equation, let's first have a look at left hand side of fraction. The denominator is 4, and numerator is 1 (whole). This means, 4 parts of a whole. So let's take that strip (see below) and keep it aside.

Now, let's have a look at right hand side. We know that the denominator is 8 which tells us 8 parts of a whole.

So, to find out how many 8 parts of a whole is equal to 4 parts of a whole, place both the strips as shown below. If you see, it is clearly visible that one 4 parts of a whole is equal to two 8 parts of a whole.



Therefore, the answer will be: $\frac{1}{4} = \frac{2}{8}$

As per the example given above, use the fraction strip and solve the following questions.

$$\frac{1}{3} = \frac{\quad}{6}$$

$$\frac{1}{4} = \frac{\quad}{12}$$

$$\frac{4}{8} = \frac{\quad}{10}$$

$$\frac{2}{6} = \frac{1}{3}$$

$$\frac{2}{3} = \frac{8}{\quad}$$

$$\frac{1}{5} = \frac{2}{\quad}$$

$$\frac{3}{6} = \frac{\quad}{8}$$

$$\frac{1}{3} = \frac{\quad}{12}$$

$$\frac{2}{3} = \frac{\quad}{9}$$

$$\frac{4}{12} = \frac{\quad}{6}$$

$$\frac{4}{5} = \frac{\quad}{10}$$

$$\frac{1}{6} = \frac{\quad}{12}$$

$$\frac{2}{6} = \frac{\quad}{12}$$

$$\frac{4}{12} = \frac{2}{\quad}$$

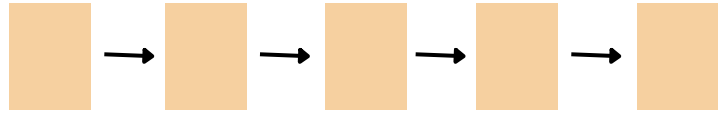
$$\frac{3}{3} = \frac{9}{\quad}$$

Worksheet 2

With the help of fraction strip solve the following

Arrange the set of fractions. Write them in the boxes from greatest to least.

$\frac{2}{5} \quad \frac{1}{5} \quad \frac{4}{5} \quad \frac{3}{5}$



$\frac{6}{8} \quad \frac{4}{8} \quad \frac{7}{8} \quad \frac{1}{8}$



$\frac{4}{6} \quad \frac{1}{6} \quad \frac{2}{6} \quad \frac{5}{6}$



$\frac{5}{9} \quad \frac{3}{9} \quad \frac{7}{9} \quad \frac{8}{9}$

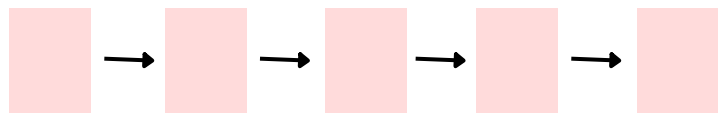


$\frac{3}{10} \quad \frac{5}{10} \quad \frac{8}{10} \quad \frac{1}{10}$

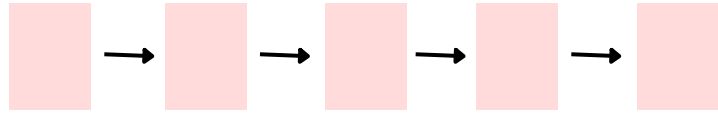


Arrange the set of fractions. Write them in the boxes from least to greatest.

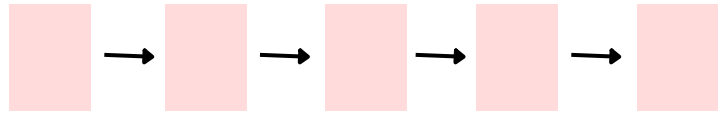
$\frac{1}{8} \quad \frac{1}{5} \quad \frac{1}{4} \quad \frac{1}{6}$



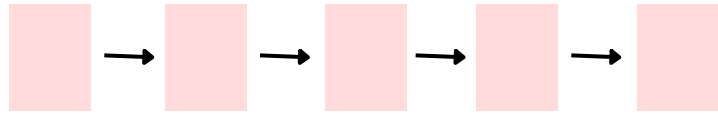
$\frac{1}{5} \quad \frac{1}{2} \quad \frac{1}{3} \quad \frac{1}{4}$



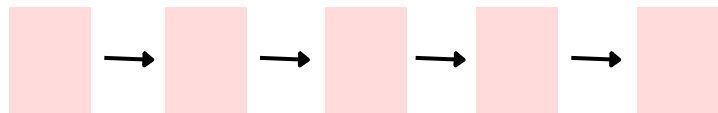
$\frac{1}{7} \quad \frac{1}{3} \quad \frac{1}{5} \quad \frac{1}{6}$



$\frac{1}{6} \quad \frac{1}{2} \quad \frac{1}{4} \quad \frac{1}{5}$



$\frac{1}{8} \quad \frac{1}{5} \quad \frac{1}{10} \quad \frac{1}{2}$

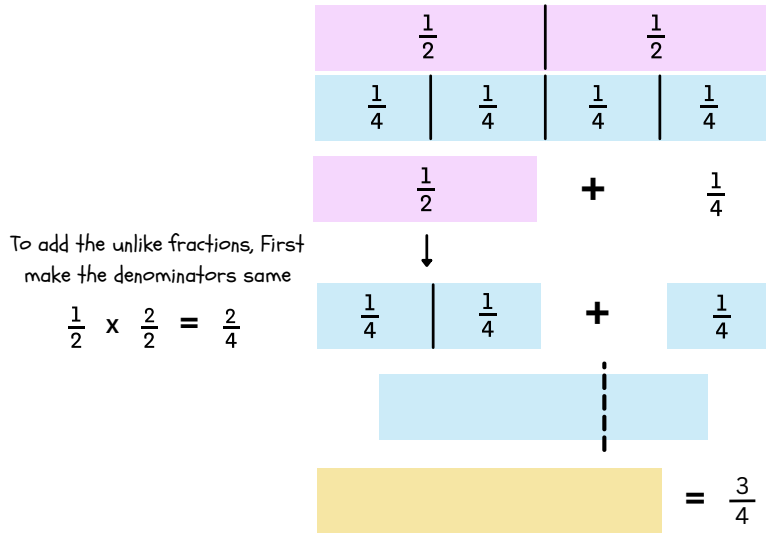


Worksheet 4

Adding Unlike Fractions

When the denominators are different, you first make them same by using LCM method. This can also be done with the help of fractions as illustrated by an example given below. Similarly, with the help of fraction strips, solve the following questions

Example: $\frac{1}{2} + \frac{1}{4}$



1) $\frac{1}{2} + \frac{2}{8} = \underline{\quad}$

2) $\frac{3}{3} + \frac{5}{6} = \underline{\quad}$

3) $\frac{1}{3} + \frac{2}{4} = \underline{\quad}$

4) $\frac{3}{9} + \frac{1}{3} = \underline{\quad}$

5) $\frac{2}{6} + \frac{1}{3} = \underline{\quad}$

6) $\frac{1}{5} + \frac{2}{2} = \underline{\quad}$

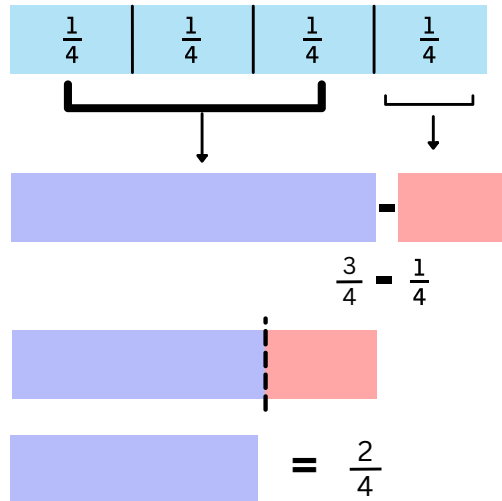
Worksheet 5

Subtracting Like Fractions

When the denominator is the same, you can subtract the numerators to solve subtraction problems.

This can also be done with the help of fractions as illustrated by an example given below. Similarly, with the help of fraction strips, solve the following questions

Example: $\frac{3}{4} - \frac{1}{4}$



1) $\frac{1}{5} - \frac{4}{5} = \underline{\quad}$

2) $\frac{4}{12} - \frac{4}{12} = \underline{\quad}$

3) $\frac{3}{7} - \frac{2}{7} = \underline{\quad}$

4) $\frac{3}{10} - \frac{7}{10} = \underline{\quad}$

5) $\frac{3}{9} - \frac{9}{9} = \underline{\quad}$

6) $\frac{6}{11} - \frac{4}{11} = \underline{\quad}$

7) $\frac{2}{6} - \frac{3}{6} = \underline{\quad}$

8) $\frac{4}{4} - \frac{3}{4} = \underline{\quad}$

9) $\frac{11}{12} - \frac{4}{12} = \underline{\quad}$

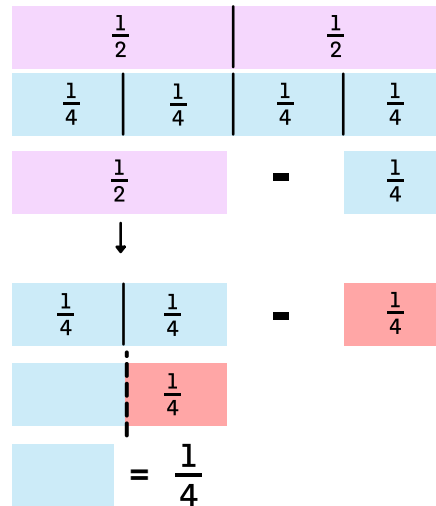
10) $\frac{9}{11} - \frac{8}{11} = \underline{\quad}$

Worksheet 6

Subtracting Unlike Fractions

When the denominator are not same, one needs to make them same by LCM method and only then one can subtract the numerators to solve subtraction problems. This can also be done with the help of fractions as illustrated by an example given below. Similarly, with the help of fraction strips, solve the following questions.

Example: $\frac{1}{2} - \frac{1}{4}$



To subtract the unlike fractions,
First make the denominators same
by LCM method

$$\frac{1}{2} \times \frac{2}{2} = \frac{2}{4}$$

1) $\frac{1}{2} - \frac{4}{6} = \underline{\hspace{2cm}}$

2) $\frac{4}{5} - \frac{9}{10} = \underline{\hspace{2cm}}$

3) $\frac{3}{4} - \frac{2}{3} = \underline{\hspace{2cm}}$

4) $\frac{6}{8} - \frac{7}{2} = \underline{\hspace{2cm}}$

5) $\frac{3}{3} - \frac{11}{12} = \underline{\hspace{2cm}}$

6) $\frac{1}{2} - \frac{4}{10} = \underline{\hspace{2cm}}$